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(54) SEPARATOR FOR FUEL CELL, ITS
MANUFACTURING METHOD, AND FUEL CELL
USING SEPARATOR FOR FUEL CELL

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a separator for a fuel cell with high corrosion resistance, capable of manufacturing at a low cost, and to provide a method for manufacturing the separator, and a fuel cell using the separator for the fuel cell.

SOLUTION: A metal plate 11, a clad metal plate whose surface layer is Mo, or a metal plate having a Ni-Sn diffusion layer 12 on the surface is press worked to

form a gas passage, and a film comprising a mixture of polyamide-imide resin and carbon powder is formed on the worked metal plate to form the separator 10, and the separator 10 is assembled to a membrane-electrode assembly 20 comprising a solid polymer membrane and a catalyst carrier electrode to form the fuel cell.

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